

01409815 WEST BRANCH WADING RIVER AT MAXWELL, NJ

MULLICA RIVER BASIN

LOCATION.--Lat 39°40'30", long 74°32'27" referenced to North American Datum of 1983, Washington Township, Burlington County, NJ, Hydrologic Unit 02040301, at bridge on County Highway 563, 0.6 mi north of Maxwell, 1.6 mi southeast of Washington, 1.8 mi southwest of Jenkins, and 2.2 mi upstream from confluence with Oswego River.

DRAINAGE AREA.--85.9 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 1985-90, 1998 to current year.

GAGE.--Staff gage.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Discharge, in ft³/s
Dec 4, 2007	62.1
Feb 26, 2008	143
May 29, 2008	85.1
Sep 2, 2008	32.3

01409815 WEST BRANCH WADING RIVER AT MAXWELL, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976-93, 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Undeveloped Land Use Indicator, New Jersey Department of Environmental Protection Watershed Management Area 14.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 3

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Time	Instantaneous discharge, ft ³ /s (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)
Dec 04...	1050	62	3.9	.108	.085	752	11.1	87	4.2	43	3.5	5.3	4
Feb 26...	0940	143	1.8	.249	.189	754	11.0	86	3.9	49	6.5	5.0	4
May 29...	0940	85	4.3	.350	.278	765	8.3	82	4.3	42	20.0	15.1	3
Sep 02...	1130	32	4.4	.122	.099	762	8.7	92	4.6	38	29.0	18.3	3

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 3

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO ₃ (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO ₂ (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non-filterable, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)
Dec 04...	.81	.531	1.04	2.74	<1.7	4.74	<.12	6.3	6.66	30	5	E.11	.045
Feb 26...	.78	.503	.63	2.69	--	4.59	<.12	4.3	8.72	25	3	.17	.013
May 29...	.64	.364	.81	2.37	--	4.39	<.12	4.2	4.71	29	3	.19	.012
Sep 02...	.66	.411	.98	2.41	<1.7	3.91	<.12	6.2	5.29	22	9	E.12	.022

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 3

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Nitrate + nitrite water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Boron, water, fltrd, µg/L (01020)
Dec 04...	E.03	.07	E.14	E.21	E.004	<.008	.034	1.5	<.04	1.5	2.5	7.8
Feb 26...	<.04	E.03	--	--	E.009	.013	.022	.3	<.04	.3	6.2	8.2
May 29...	<.04	.09	--	--	E.005	.015	.066	1.8	<.04	1.8	6.6	7.4
Sep 02...	<.04	.07	--	--	<.010	<.008	.038	1.2	M	1.2	2.0	7.4